

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3E Company, Inc., Box 190, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)

At surface

2140' FNL & 590' FEL

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

5120

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5800

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4692 G.L.

22. APPROX. DATE WORK WILL START*

May 10, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---------------------------------|
| 12 1/4 | 8 5/8 | 24 | 500 | see attached cement information |
| 7 7/8 | 5 1/2 | 15.5 | 5800 | |

SEE ATTACHED

RECEIVED

MAY 14 1984

DIVISION OF OIL
GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5/15/84
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

John Alexander
John Alexander

TITLE

Agent

DATE

4/24/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

1012
COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL WELL NO. 42-2

SEC. 2, T. 42S R. 24E
San Juan County, Utah

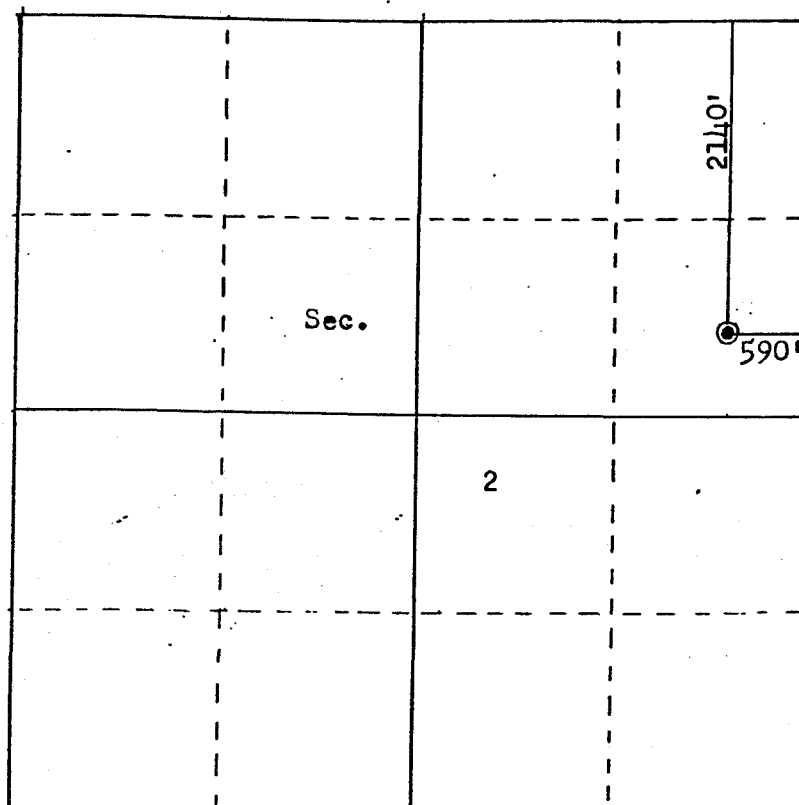
RECEIVED

LOCATION 2140'FNL 590'FEL

MAY 14 1984

ELEVATION 4692 ungraded ground

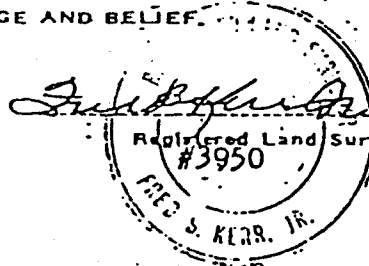
DIVISION OF OIL
GAS & MINING



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



SURVEYED November 9, 1983

FARMINGTON, N. M.

FORMATION INFORMATION AND
DRILLING PRACTICES

CHUSKA ENERGY CO.
Navajo Tribal No. 42-2
2140' FNL and 590' FEL
Sec 2, 42S, 24E
San Juan Co., Utah

RECEIVED

MAY 14 1984

**DIVISION OF OIL
GAS & MINING**

1. Surface Formation: Bluff Sandstone

2. Estimated Formation Tops:

| | | | |
|-------------|-------|--------------|-----------|
| Dechelly | 2730' | Lower Ismay | 5 5 9 6 ' |
| Organ Rock | 2820' | Desert Creek | 5 6 3 6 ' |
| Hermosa | 4636' | T.D. | 5 8 0 0 ' |
| Upper Ismay | 5476' | | |

3. Estimated Depth of Anticipated Oil, Gas Water or Minerals:

| | |
|-----|-------|
| Oil | 5596' |
| Oil | 5636' |

4. Proposed Casing Program:

0-500' 8 5/8", 24 lb/ft, ST & C, K-55 new casing;
cement with 300 cubic feet class "B" +
2% CaCl₂. Cement will be brought to surface.

0-5800'T.D. 5 1/2", 15.5 lb/ft, ST & C, K-55 new casing;
cement with 450 cubic feet 50-50 poz mix
+ 2% CaCl₂ + 10% salt + 0.8% fluid loss
additive. Cement top at 4000'.

5. Pressure Control Equipment - Blow Out Preventor:

The attached schematic shows the type of blowout preventor to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

| DEPTH | TYPE | VIS. | WEIGHT | FLUID LOSS |
|------------|------------|-------|--------|------------|
| 500-4000' | Gel-chem | 35-45 | 9.5 | 15cc |
| 4000-5800' | Low solids | 45-50 | 10.0 | 9cc |

7. Auxiliary Equipment:

- Bit float
- Stabbing valve to be used in drill pipe when kelly is not connected.

8. Logging - Coring - Testing Program:

Logging - Open Hole : IES, CNL, FDC
Mud : 4000' to t.d.

Testing : possible in Lower Ismay and Desert
Creek

Coring : None planned

9. Abnormal Temperatures, Pressures or Potential Hazards:

None Expected

10. Starting Date:

Anticipated starting date is May 10, 1984. Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

SURFACE USE PLAN

**CHUSKA ENERGY CO.
Navajo Tribal No. 42-2
2140' FNL and 590' FEL
Sec 2, 42S, 24E
San Juan Co., Utah**

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. The access road will join an existing location.

2. Planned Access Road (shown in red)

The new access road will run from an existing well site. Maximum grade will be 10%. Water bars will be used to prevent erosion. Approximately 1200' of new road will be required.

3. Location of Existing Wells

All existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Tank Batteries, Prod. Facilities & Prod. Gathering & Service Lines

All production facilities are to be contained within the proposed location site. The operation has no other facilities in the area.

5. Location and Type of Water Supply

Water will be trucked from the San Juan River, 7 miles north of the location.

6. Source of Construction Materials

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal

All trash will be carried to a land fill or burned. All nonburnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry out. Pits will be completely fenced during drying time, then backfilled with dirt prior to preparing the location for production or abandonment.

8. A portable chemical toilet will be supplied for human waste.
9. Ancillary Facilities - No ancillary facilities are planned.
10. Well Site Layout - The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

11. Plans for Restoration of Surface

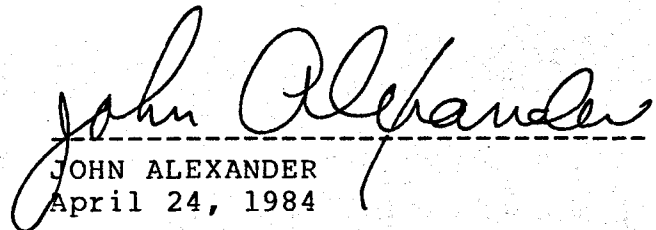
Restoration of the wellsite and access road will begin within 90 days of well completion, weather permitting, and if required by private land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drillsite and road will have any topsoil replaced and will be reseeded when germination of seeds can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all nonburnable material and any chemicals that cannot be safely buried, and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary.

12. This location is 7 miles south of the San Juan River. It is gently sloping to the southeast. The area is covered with native weeds and grasses. The area is developed as an oil field at this time. No artifacts were found in the area. There are no residences near the site.

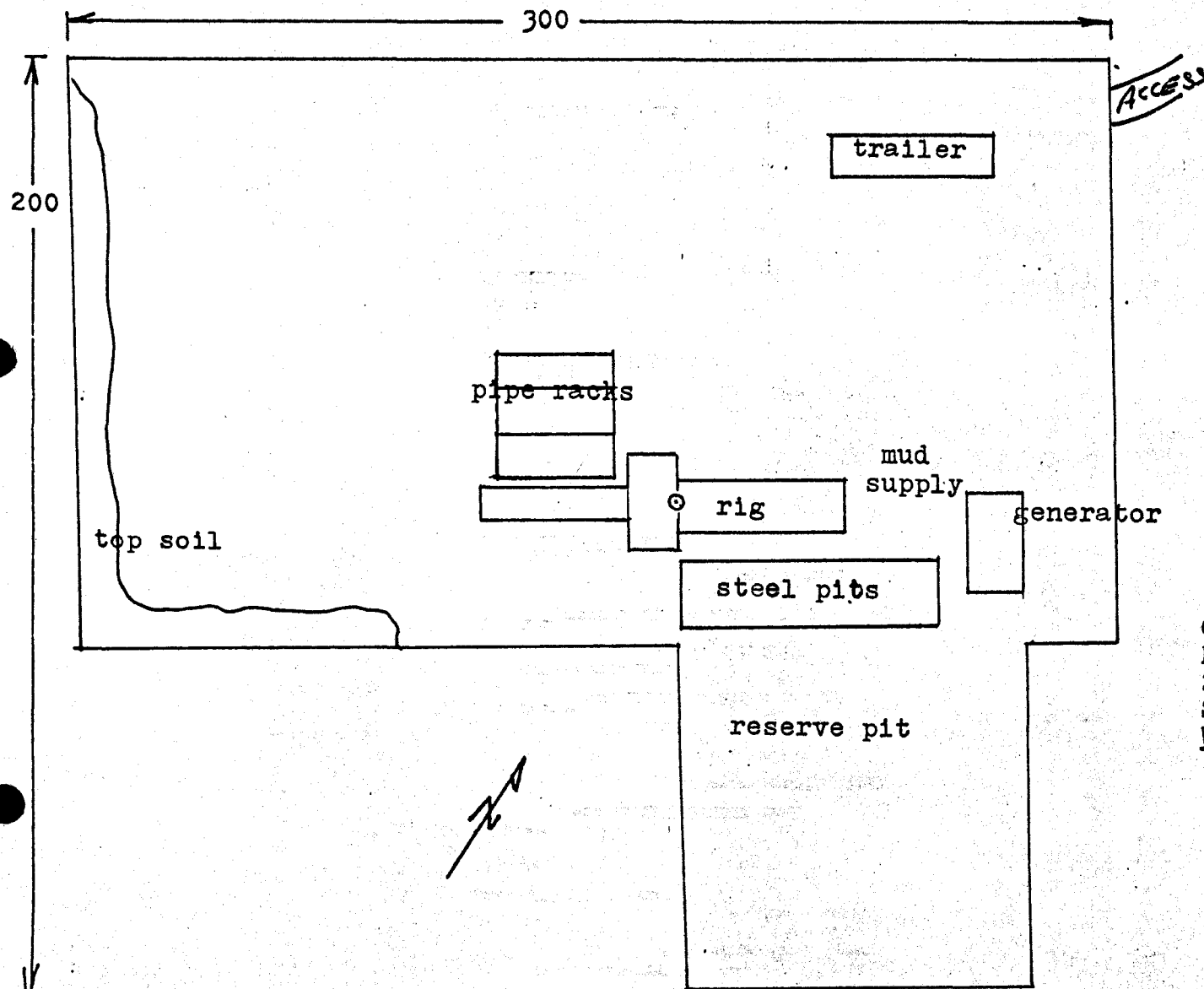
The top soil will be saved as shown on the "Drill Site Plan". After completion, the location will be surrounded by a berm.

13. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87499
Phone: 505-326-1135

14. I hereby certify that I, or persons under by direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chuska Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


JOHN ALEXANDER
April 24, 1984

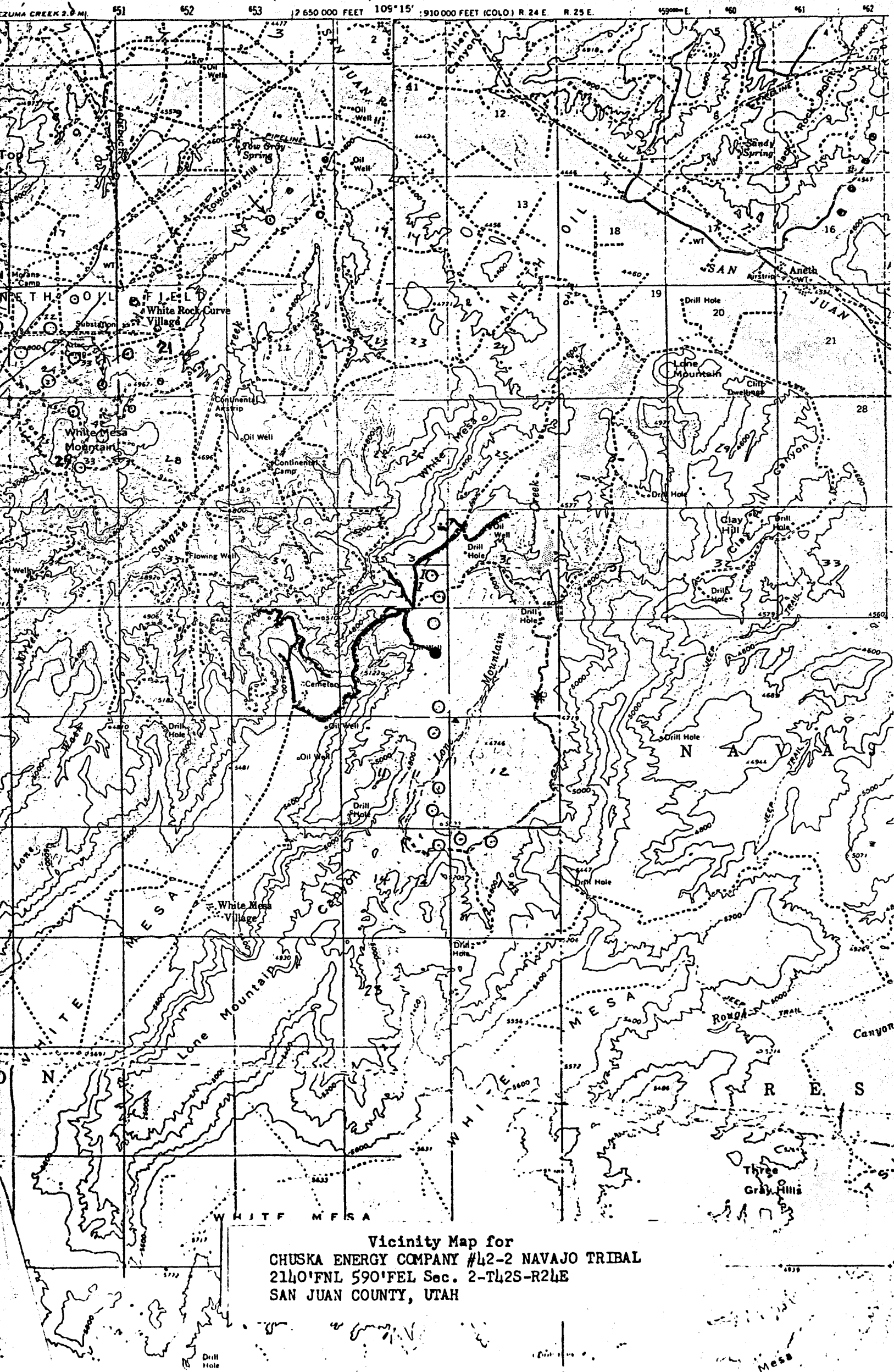
JA:kj



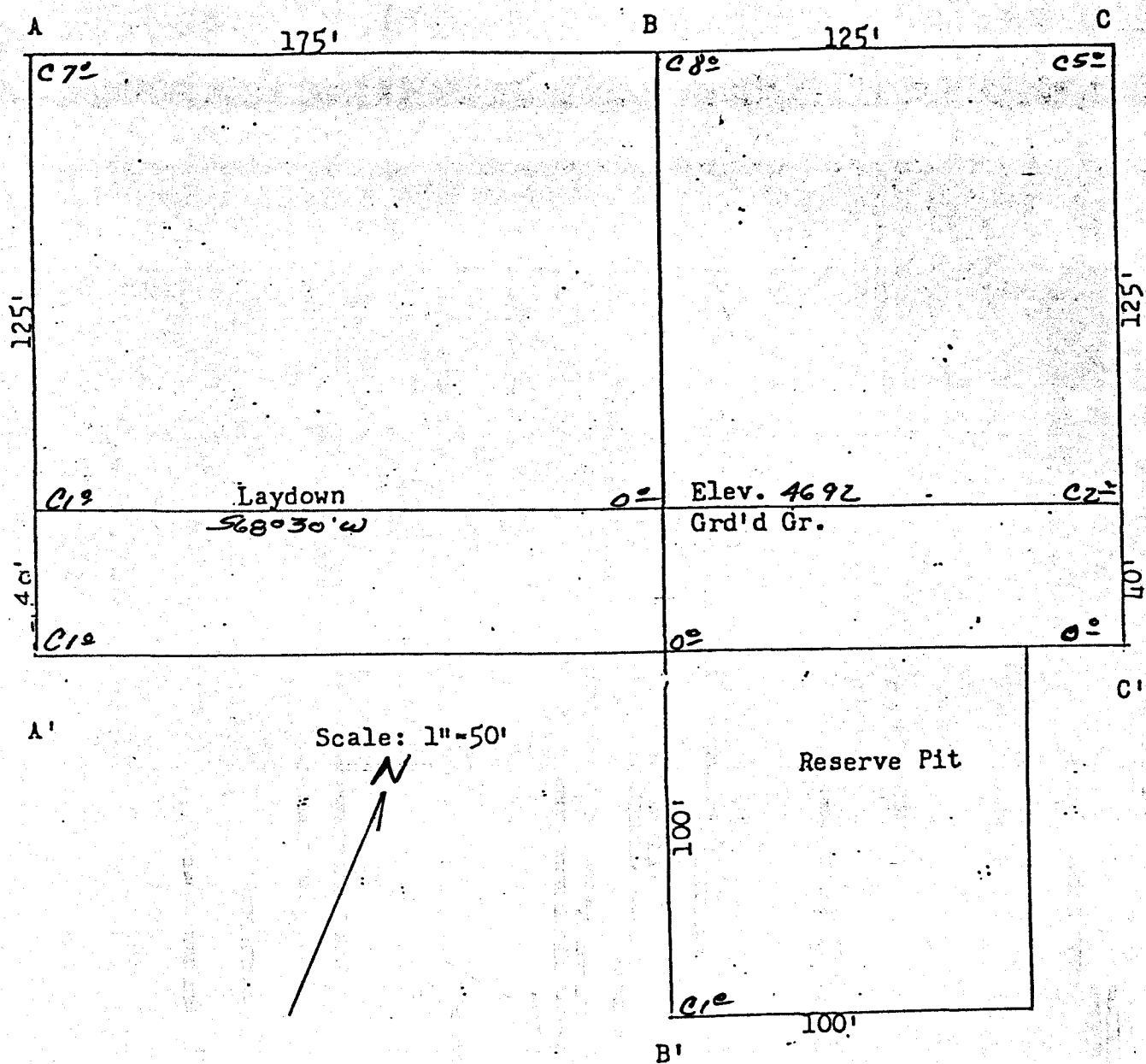
Chuska Energy Co.
Navajo Tribal 42-2
2-42S-24E SENE
San Juan, Utah
WELL SITE PLAN

WHITE MESA VILLAGE QUADRANGLE
UTAH
15 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Vicinity Map for
CHUSKA ENERGY COMPANY #42-2 NAVAJO TRIBAL
2140'FNL 590'FEL Sec. 2-T42S-R24E
SAN JUAN COUNTY, UTAH



OPERATOR Chuska Energy DATE 5-15-84
WELL NAME Navajo Tribal 42-2
SEC SENE 3 T 42S R 24E COUNTY San Juan

43-037-31017
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

| | | | | |
|--------------------------|-------|--------------------------|----|--------------------------|
| <input type="checkbox"/> | INDEX | <input type="checkbox"/> | HL | <input type="checkbox"/> |
| <input type="checkbox"/> | NID | <input type="checkbox"/> | PI | <input type="checkbox"/> |
| <input type="checkbox"/> | MAP | <input type="checkbox"/> | | <input type="checkbox"/> |

PROCESSING COMMENTS:

No other wells within 1000'
Need ^{Water} permit - & per Dorothy (Water Rights) #09-1361

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE
☒ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:

~~Water~~

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☒ c-3-b

☐ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☐ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☐ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 15, 1984

Chuska Energy Company
c/o J.E. Company, Inc.
P. O. Box 190
Farmington, New Mexico 87409

RE: Well No. Navajo Tribal 42-2
SENE Sec. 2, T. 42S, R. 24E
2140' FHL, 590' FHL
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31017.

Sincerely,


R. J. Firth
Associate Director, Oil & Gas

RJF/ss

cc: Branch of Fluid Minerals
Bureau of Indian Affairs

Water
or
oil

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: CHUSKA ENERGY

WELL NAME: NAVAJO TRIBAL 42-2

SECTION SENE 2 TOWNSHIP 42S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR YOUNG DRILLING

RIG #

SPODDED: DATE 5-15-84

TIME 4:00 PM

How ROTARY

DRILLING WILL COMMENCE

REPORTED BY KATHRYN

TELEPHONE # 505-326-1135

DATE 5-16-84 SIGNED GL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

RECEIVED

JUN 11 1981

DIVISION OF OIL
GAS & MINING*REPORT OF WATER ENCOUNTERED DURING DRILLING*

Well Name & Number Navajo Tribal 42-2
 Operator Chuska Energy Co. Address c/o 3E Co., P.O. Box 190
Farmington, N.M. 87499
 Contractor Young Rig No. 3 Address P.O. Box 717, Farmington, N.M.
87499
 Location se 1/4 ne 1/4 Sec. 2 T. 42S R. 24E County San Juan

Water Sands

| <u>Depth</u> | | <u>Volume</u> | <u>Quality</u> |
|--------------|-------------------------|-------------------|----------------|
| From | To | Flow Rate or Head | Fresh or Salty |
| 1. | <u>none encountered</u> | | |
| 2. | <u></u> | | |
| 3. | <u></u> | | |
| 4. | <u></u> | | |
| 5. | <u></u> | | |

(Continue on reverse side if necessary)

Formation Tops

| | |
|-----------------|-------------------|
| Navajo 545 | Upper Ismay 5196 |
| Chinle 1492 | Lower Ismay 5316 |
| DeChelly 2418 | Gothic Shale 5350 |
| Organ Rock 2660 | Desert Creek 5368 |
| Hermosa 4355 | |

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other2. NAME OF OPERATOR
Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3E Company, Inc., Box 190, Farmington, NM

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2140' FNL & 590' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☒FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐(other) ☐5. LEASE
NOG-8308-10336. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo Tribal9. WELL NO.
42-210. FIELD OR WILDCAT NAME
Aneth11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 2, 42S, 24E12. COUNTY OR PARISH
San Juan13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud at 1900 hours 5/15/84. Drilled 12 1/4" hole to 496'. Ran 8 5/8" 24# K-55 casing to 495'. Cemented with 325 cubic feet of class "B" cement containing 2% CaCl₂. Maintained good circulation throughout job. Circulated 75 cubic feet of cement to surface. Job complete 12:45 5/16/84.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Ralph Stoane, Jr. TITLE Agent DATE 5/24/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal

9. WELL NO.

42-2

10. FIELD AND POOL, OR WILDCAT

Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

2-42S-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3-E Co. POBox 190 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)

At surface

2140'/N & 590'/E

At top prod. level: Same

At total depth: Same

14. PERMIT NO.

43-037-31017

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4705' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANE ☐

Confidential Reports ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Please hold logs and reports on this well as confidential.

RECEIVED

JUN 19 1984

DIVISION OF OIL
& GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Agent

DATE 6/13/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CONFIDENTIAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | | | | | |
|---|-----------------|--|------------------------------------|--|------------------------------------|---|-----------------|
| 1a. TYPE OF WELL: | | OIL WELL <input checked="" type="checkbox"/> | GAS WELL <input type="checkbox"/> | DRY <input type="checkbox"/> | Other _____ | | |
| b. TYPE OF COMPLETION: | | NEW WELL <input checked="" type="checkbox"/> | WORK OVER <input type="checkbox"/> | DEEP-EN <input type="checkbox"/> | PLUG BACK <input type="checkbox"/> | DIFF. RESVR. <input type="checkbox"/> | Other _____ |
| 2. NAME OF OPERATOR | | | | | | 5. LEASE DESIGNATION AND SERIAL NO. | |
| Chuska Energy Co. | | | | | | NOG-8308-1033 | |
| 8. ADDRESS OF OPERATOR | | | | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| c/o 3-E Co. PO Box 190 Farmington, NM 87499 | | | | | | Navajo | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* | | | | | | 7. UNIT AGREEMENT NAME | |
| At surface 2140' /FNL & 590' /FEL SENE | | | | | | 8. FARM OR LEASE NAME | |
| At top prod. interval reported below Same | | | | | | Navajo Tribal | |
| At total depth Same | | | | | | 9. WELL NO. | |
| JUN 22 1984 | | | | | | 42-2 | |
| 14. PERMIT NO. 43-637-3 DIVISION OF OIL & MINING | | | | | | 10. FIELD AND POOL, OR WILDCAT | |
| DATE ISSUED | | | | | | Aneth | |
| 15. DATE SPUDDED 5/15/84 | | | | | | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA | |
| 16. DATE T.D. REACHED 5/29/84 | | | | | | 2-42-S-24E | |
| 17. DATE COMPL. (Ready to produce) 6/8/84 | | | | | | 12. COUNTY OR PARISH | |
| 4705' K.B. | | | | | | San Juan | |
| 19. ELEV. CASINGHEAD 4693 | | | | | | 13. STATE | |
| 20. TOTAL DEPTH, MD & TVD 5550 | | | | | | Utah | |
| 21. PLUG, BACK T.D., MD & TVD 5507 | | | | | | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* | |
| 22. IF MULTIPLE COMPL., HOW MANY* | | | | | | 5417-5437 Desert Creek | |
| 23. INTERVALS DRILLED BY 0-5550 | | | | | | 25. WAS DIRECTIONAL SURVEY MADE | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN | | | | | | yes | |
| DIE, LOG, S.P., Casing collar | | | | | | 27. WAS WELL CORED | |
| 28. CASING RECORD (Report all strings set in well) | | | | | | no | |
| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | | AMOUNT PULLED | |
| 8 5/8 | 24 | 496 | 12 1/4 | 325 cu. ft class "B" | | None | |
| | | | | 2% CaCl ₂ | | | |
| 5 1/2 | 15.5 | 5550 | 7 7/8 | 536 cu. ft. class "H" | | None | |
| | | | | 10% salt 101b Cal-Seal, 0.6% Halad-9 | | | |
| 29. LINER RECORD | | | | 30. TUBING RECORD | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| N/A | | | | | 2 7/8 | 5440 | 5373 |
| 31. PERFORATION RECORD (Interval, size and number) | | | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | |
| 5417-5420 0.35 2 shots/ft. | | | | DEPTH INTERVAL (MD) | | | |
| 5423-5433 0.35 2 shots/ft. | | | | 5417-5437 | | | |
| 5435-5437 0.35 2 shots/ft. | | | | AMOUNT AND KIND OF MATERIAL USED | | | |
| | | | | 3000 gal 28% HCl acid | | | |
| | | | | CONFIDENTIAL | | | |
| 33. PRODUCTION | | | | | | | |
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| 6/7/84 | | Flowing | | | | Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
| 6/8/84 | 24 | 16/64 | → | 480 | 400 | 0 | 833, cu.ft/bbl |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) | |
| 450 | packer | → | 480 | 400 | 0 | 40 | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | | | | TEST WITNESSED BY | |
| to be sold | | | | | | R. Sloane | |
| 35. LIST OF ATTACHMENTS | | | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | | | |
| SIGNED <u>John Alexander</u> | | TITLE Agent | | DATE 6/18/84 | | | |

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs—(drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES | | | 38. GEOLOGIC MARKERS | | |
|---|-----|--------|----------------------|-------------|------------------|
| FORMATION | TOP | BOTTOM | NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
| | | | Navajo | 545 | |
| | | | Chinle | 1492 | |
| | | | De Chelly | 2418 | |
| | | | Organ Rock | 2660 | |
| | | | Hermosa | 4355 | |
| | | | Upper Ismay | 5196 | |
| | | | Lower Ismay | 5316 | |
| | | | Gothic Shale | 5350 | |
| | | | Desert Creek | 5368 | |
| | | | Chimney Rock | 5529 | |

CONFIDENTIAL
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NOG-8308-1033

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal

9. WELL NO.

42-2

10. FIELD AND POOL, OR WILDCAT

Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

2-42S-24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Chuska Energy Co.

3. ADDRESS OF OPERATOR

c/o 3-E Co. PO Box 190 Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 2140 FNL & 590' FEL

At top prod interval: Same

At total depth: Same

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4705' K.B.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Ran Gamma ray-casing collar log. Perforate Desert Creek 5417-20, 5423-33, 5435-37
with 2 shots/ft. Acidize Desert Creek zone with 3000 gal 28% HCL. Completed as
flowing oil well at 480 B.O.P.D.
Job Complete 6/8/84.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Agent

DATE

6/18/84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



DIVISION OF CONSERVATION ARCHAEOLOGY

San Juan County
Museum Association

January 2, 1985

Mr. Varlan Clark
Utah Power and Light
1849 West North Temple
Suite B-115
Salt Lake City, Utah 84116

Dear Mr. Clark:

Our report on the archaeological survey of a proposed transmission line (Alternate A) in Lone Mountain Canyon, San Juan County, Utah is enclosed. Two isolated loci were found. The documentation of the two isolated loci in the field exhausted their research potential.

We have recommended clearance. The Bureau of Indian Affairs will review this report and make the final decision on archaeological clearance for your project. The Bureau of Indian Affairs in Window Rock should notify the Real Property Management office of the Shiprock Bureau of Indian Affairs of its decision.

An invoice will be sent after January 15, 1985. We have enjoyed working with you and hope we can be of service again. If you have any questions, please call us. We will be happy to help you.

Sincerely,

Roger A. Moore
Supervisory Archaeologist

cc: Mark Henderson, BIA, Window Rock (5)
Real Property Management Office, BIA, Shiprock

Project No. 126-84-C

BIA Use Authorization
84-DCA-013-1 (Navajo)
Navajo Nation Permit 84-22
Utah State Permit U-84-03-228i

An Archaeological Survey of
a Proposed Transmission Line (Alternate A)
to Chuska Energy Well #42-2 in Lone Mountain Canyon,
San Juan County, Utah

for

Utah Power and Light

by

Roger A. Moore
Supervisory Archaeologist

Submitted by

Margaret A. Powers
Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No. 932
San Juan County Archaeological Research Center and Library

January 2, 1985

ABSTRACT

On December 20, 1984, the Division of Conservation Archaeology of the San Juan County Museum Association completed an archaeological survey of a proposed distribution line (Alternate A) for Utah Power and Light. The survey area is located in Lone Mountain Canyon southwest of Aneth in San Juan County, Utah and is under the jurisdiction of the Bureau of Indian Affairs (BIA).

Two isolated loci were found. The documentation of the isolates in the field has exhausted their research potential. Archaeological clearance is recommended.

INTRODUCTION

On December 20, 1984, the Division of Conservation Archaeology (DCA) of the San Juan County Museum Association conducted an archaeological survey for Utah Power and Light of Salt Lake City, Utah. Varlan Clark of Utah Power and Light requested the survey on December 12, 1984 and administered the project for Utah Power and Light. Margaret A. Powers administered the project for DCA.

In recognition of the limited, nonrenewable nature of archaeological remains, the federal government has enacted legislation that is designed to conserve and protect these resources. The principal legislation includes the Antiquities Act of 1906 (PL 52-209), the Historic Preservation Act of 1966 (PL 89-665), the National Environmental Policy Act of 1969 (PL 91-852), the 1971 Executive Order No. 11593, the Archaeological and Historical Conservation Act of 1974 (PL 93-291), and the Archaeological Resources Protection Act of 1979 (PL 96-95). In addition, the states of Arizona, New Mexico, Utah, and Colorado have enacted laws to ensure compliance with federal legislation and to protect archaeological resources within their jurisdiction. Work undertaken in the course of this project is intended to comply with these statutes and is governed by the stipulations of BIA Use Authorization Permit 84-DCA-013-1 and Navajo Nation Permit 84-22.

Roger A. Moore, DCA archaeologist, surveyed the project area for cultural remains. Anthony Klesert (Coordinator of the Navajo Nation Cultural Resource Management Program) and Mark Henderson (Bureau of Indian Affairs Navajo Area Archaeologist) were notified of the survey schedule prior to beginning fieldwork.

METHODS

The area was surveyed by walking a zigzag transect down the right-of-way from the end of line (EOL) to pole #4 and a linear transect down the center of the right-of-way from pole #4 to the EOL of alternate route A. A buffer zone 25 ft wide along both sides of the right-of-way was included in the survey. The archaeologist recorded all cultural remains. Those whose information potential exceeded what could be extracted during the survey phase were assigned site status. Other cultural remains were documented as isolated loci (IL). Pertinent environmental data were also recorded.

In addition to field inspection, the archaeologist conducted a search of the records at the Division of Conservation Archaeology and the Utah Division of State History to determine if any sites had been recorded in the project area. Site and project records required by the BIA were completed.

PROJECT DESCRIPTION

Proposed Distribution Line (Alternate A) to Chuska Well #42-2

Legal Description: T42S, R24E, Section 1, N 1/2 SW 1/4 NW 1/4 (pole #4)
NW 1/4 SE 1/4 NW 1/4
S 1/2 NE 1/4 NW 1/4
S 1/2 NW 1/4 NE 1/4 (EOL)

S.L.M., San Juan County, Utah

UTM Coordinates: Zone 12, 4114825N, 656200E (pole #4, beginning of
Alternate A)
Zone 12, 4115160N, 657225E (end of Alternate A)

Map Source: U.S.G.S. 15' Aneth, Utah-Colorado (1962)

Land Jurisdiction: Bureau of Indian Affairs; Navajo Nation

Project Area: 30' x 3444.5 (distribution line right-of-way)

Surveyed Area: 80' x 3465' (distribution line right-of-way with buffer)
6.36 Acres

Description: The proposed distribution line Alternate "A" route is located in Lone Mountain Canyon (Figure 1). The line from its beginning (BOL) to pole #4, along with Alternate "B" route has already been surveyed (Moore (1984). Alternate "A" route, the subject of this report begins at pole #4 and runs east-northeast to an existing powerline. Between pole #4 (11+10.1) and pole #6 (18+28.5) the line crosses a wide, flat, unnamed canyon. Pole #6 is on a narrow finger of a dune-covered mesa bench. About 30 ft east of Pole #6 the line drops into a large drainage which runs down the west side of Lone Mountain Canyon, paralleling the west side of the drainage, and crosses an area of semi-badlands to station 30+73. It crosses a flowing drainage and ascends a steep clayey bedrock slope to pole #10 (32+72.8'). From there to pole #11 (34+81.4') it crosses the top of a gently rolling bench. The bench is covered on the west by remnants of dark red sand dunes and on the east and south by more recent, active, tan sand dunes. Twenty feet east of pole #11 the line drops down the side of a steep dune into the floodplain of Lone Mountain Canyon. It then crosses the flowing creek to pole #13 (41+56.2') on a low dune. The line continues east across the low active dune and dirt road, onto a gravel and bedrock bench, and ends at an existing powerline anchor pole (station 45+47.3').

Vegetation cover over the area consists of scrubland community. Density of cover on the dunal areas was about 15% while that in the semi-badland areas was about 1%. Vegetation consists of grama grass (Bouteloua sp.), snakeweed (Gutierrezia sarothrae), three-scale Mormon tea (Ephedra torreyana), shadscale (Atriplex confertifolia), two species of rabbitbrush (Chrysothamnus nauseosus and c. sp.), narrow leaf yucca (Yucca angustissima), buckwheat (Eriogonum sp.), prickly pear cactus (Opuntia sp.), and barrel cactus (Ferocactus sp.).

Cultural Resources: No sites were found. Two isolated loci were found. They are described in the following table.

Table 1. Description of Isolated Loci

| <u>Station</u> | <u>IL No.</u> | <u>Legal Description</u> | <u>UTM Coordinates</u> | <u>Description</u> |
|------------------------|---------------|--|----------------------------|--|
| 34+82 and 55' North | 1 | T42S, R24E, Sec. 1 SE 1/4 NE 1/4 NW 1/4 | Zone 12, 4115070N, 656900E | Two light gray quartzite biface thinning flakes; one is 5.0cm long, 4.2cm wide; one is 2.5cm long, 2.0cm wide. |
| 18+25 and 40' South | 2 | T42S, R24E, Sec. 1 NE 1/4 SE 1/4 NW 1/4 | Zone 12, 4114880N, 656400E | One mottled gray petrified wood utilized secondary core reduction flake; 6.5cm long, 3.0cm wide, 1.0cm thick. |

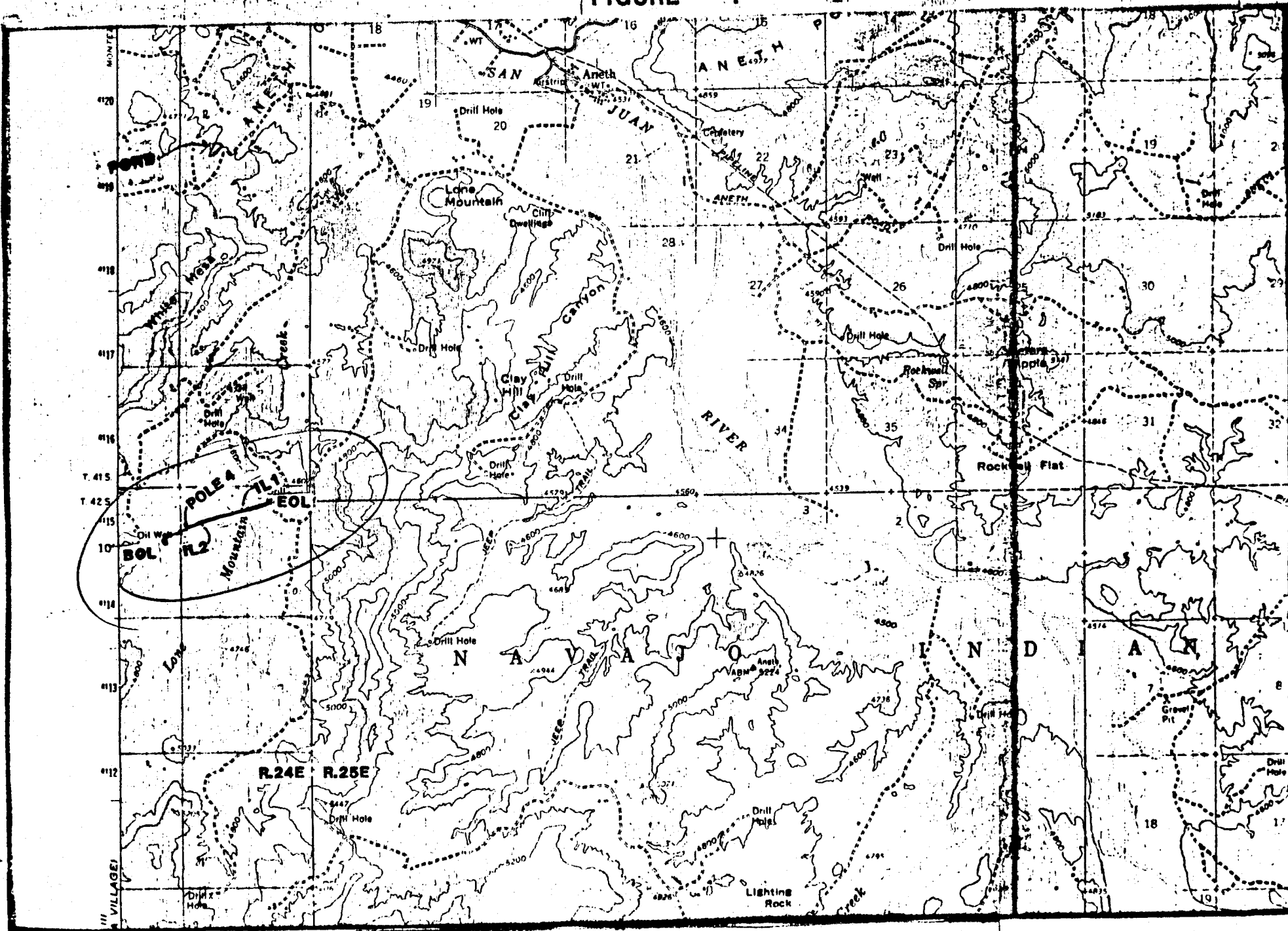
The area for 100 ft around the ILs was checked for sites. None were found.

Recommendations: Documentation of the two isolated loci in the field has exhausted their research potential. The same is true for the two isolated loci reported between the BOL and pole #4 (start of Alternate "A" route) (Moore 1984:4). Archaeological clearance is recommended.

Reference

- Moore, Roger A.
1984 An Archaeological Survey of a Proposed Transmission Line (Alternate B) to Chuska Energy Well #42-2 in the Lone Mountain Canyon of San Juan County, Utah. DCA Contributions to Anthropology Series, No. 927 (DCA Project No. 115-84-C)

FIGURE 1

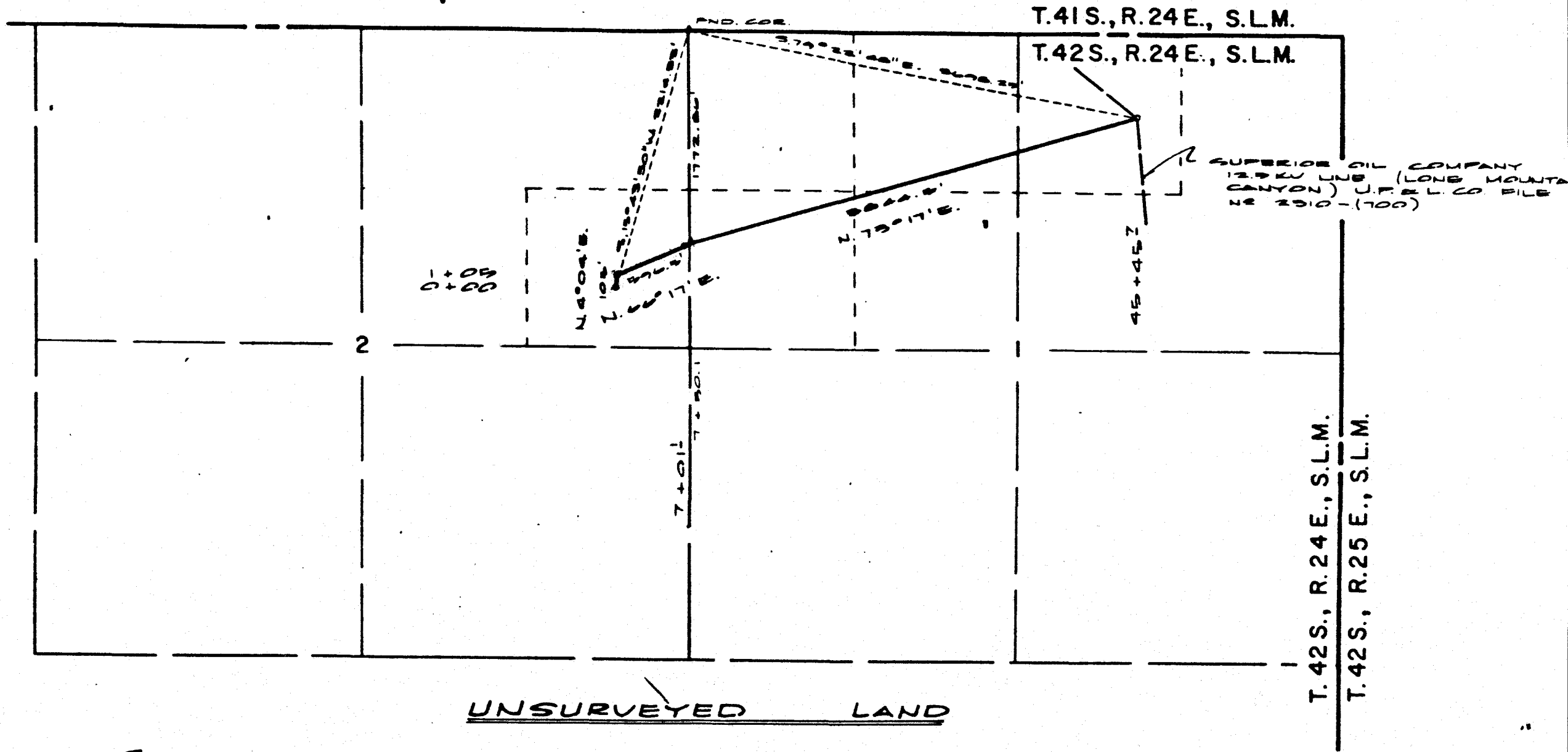


SCALE 1:62500

ANETH, UTAH-COLO.
N3700-W1C900/15

1962

NAVAJO INDIAN RESERVATION



STRUCTURES
13-SINGLE WORD POLES.

3 GUY ANCHORS



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office

Post Office Box M

Window Rock, Arizona 86515

IN REPLY REFER TO:

Environmental Quality

BIA NAO DCA-85-006

FEB 13 1985 **RECEIVED**

FEB 19 1985

RIGHT-OF-WAY
DEPARTMENT

Mr. Varlan Clark
Utah Power and Light
1849 West North Temple
Suite B-115
Salt Lake City, Utah 84116

Re: Archeological Clearance-An Archaeological Survey of a
Proposed Transmission Line (Alternate A) to Chuska Energy
Well #42-2 in Lone Mountain Canyon, to San Juan County, Utah
BIA NAO DCA-85-006

Dear Mr. Clark:

On December 20, 1984, the Division of Conservation Archaeology of the San Juan County Museum Association conducted a cultural resources inventory of the subject undertaking. The 6.36 acre project area was subject to a pedestrian survey. Locational information and specific project dimensions are provided in the attached report. In the course of the survey two isolated occurrences were detected and recorded. These isolated finds do not possess the qualities of integrity required to be considered for inclusion within the National Register of Historic Places and require no further consideration beyond documentation provided in the attached report.

~~Archeological clearance is granted for the subject undertaking as described in the attached report. The proposed undertaking should have no effect on known significant cultural resources.~~

~~This clearance does not constitute approval of right-of-way or concurrence in the proposed project by the Bureau of Indian Affairs. It is one of several mandated requirements which must be accomplished prior to the granting of rights-of-way, easements, or approvals by the BIA for land-modifying projects on lands under their jurisdiction.~~

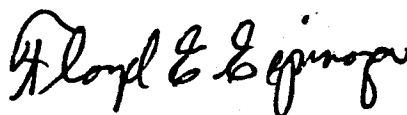
Discovery Clause (Refer to 36 CFR Part 800.7): ~~Should any previously unrecorded and/or previously undetected cultural material be discovered during construction operations, all work~~

must cease in the immediate area of the exposed resources. The Navajo Nation Tribal Archeologist and the BIA Navajo Area Archeologist should then be notified to arrange an on-site inspection to determine the significance and disposition of the archeological remains.

It is the responsibility of project sponsors to notify subcontractors of the boundaries of the archeological clearance and stipulations under which clearance is granted.

If you have any questions concerning this clearance, please contact the Area Archeologist at FTS 479-5358 or (602) 871-5151, extension 5358.

Sincerely,



Acting Assistant Area Director

Enclosure

cc: SHPO-UT
Director, NNCR Department
Superintendent, Shiprock Agency

NOTES

POLES IN GENERAL WILL BE 35 FOOT, SINGLE WOOD POLE STRUCTURES.

AVERAGE SPAN LENGTH WILL BE APPROXIMATELY 325 FEET.

CONDUCTORS 2 - # 2 ACSR.

RIGHT OF WAY 25 FEET WIDE, BEING 12.5 FEET ON EACH SIDE OF CENTERLINE OF POWER LINE.

THE 12.5 KV LINE IS ON THE EAST CIRCUIT OUT OF WHITE MESA SUBSTATION.

LAND STATUS

LENGTH OF LINE ON NAVAJO INDIAN TRIBAL LAND --- 0.861 MILES - (4449.7 FT.) --- 2.609 ACRES.

APPLICANT'S CERTIFICATE

THIS IS TO CERTIFY THAT JOHN R. KUNZ, WHO SUBSCRIBED THE STATEMENT HEREON, IS THE PERSON EMPLOYED BY THE UNDERSIGNED APPLICANT TO ACCURATELY PREPARE THIS MAP WHICH HAS BEEN ADOPTED BY THE APPLICANT AS THE FINAL LOCATION OF THE WORKS THEREBY SHOWN, AND THAT THIS MAP IS FILED AS PART OF THE COMPLETE APPLICATION AND IN ORDER THAT THE APPLICANT MAY OBTAIN THE BENEFITS OF THE ACT OF FEBRUARY 5, 1948 (62 STAT. 17; 25 U.S.C. 323-326) AND AS AMENDED PER 25 CFR 169 REVISED APRIL 1, 1983 AND I FURTHER CERTIFY THAT THE RIGHT OF WAY HEREIN DESCRIBED IS DESIGNED FOR THE TRANSMISSION OF ELECTRIC POWER TO (UNION OIL COMPANY (LONG MOUNTAIN CANYON)), IT IS FURTHER CERTIFIED, THAT THE LENGTH OF LINE OVER TRIBAL LAND IS 0.861 MILES AND THAT THE TERMINI OF SAID LINE IS AS DESIGNATED ON THE MAP ABOVE.

A. Gibson RR
EXECUTIVE VICE PRESIDENT
UTAH POWER & LIGHT COMPANY

ATTEST:

Thomas W. Sorenson
ASSISTANT SECRETARY



1000 0 1000 2000 3000 4000 FEET
SCALE 1 IN. = 1000 FT.

PN 1756071

DECEMBER 13, 1984

EXHIBIT "D"

CHUSKA OIL WELL
12.5 KV TRANSMISSION LINE CROSSING
NAVAJO INDIAN RESERVATION LAND
SAN JUAN COUNTY, UTAH

UTAH POWER & LIGHT COMPANY
SALT LAKE CITY, UTAH

SERIAL N^o

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back into a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|---|--|---|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NOG 8308-1033 | |
| 2. NAME OF OPERATOR CHUSKA ENERGY COMPANY | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO | |
| 3. ADDRESS OF OPERATOR P. O. BOX 2118, FARMINGTON, NEW MEXICO 87499 | | 7. UNIT AGREEMENT NAME | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2140' FNL & 590' FEL | | 8. FARM OR LEASE NAME NAVAJO TRIBAL | |
| 14. PERMIT NO. | | 9. WELL NO. 42-2 | |
| 15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4692' g.L. | | 10. FIELD AND POOL, OR WILDCAT ANETH | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 2-42S-24E | |
| | | 12. COUNTY OR PARISH SAN JUAN | |
| | | 13. STATE UTAH | |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | |
|---|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANE <input type="checkbox"/> |
| (Other) Construct Power Line <input type="checkbox"/> | |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator intends to construct a 12.5 KVA Power line from the above well to the lease boundary. At this point, the line will join that constructed by Mobil Oil Corp. The line will be used jointly by Chuska and Mobil.

A map of the proposed route is attached along with the archaeological clearance.

Chuska is the only lease holder of the area to be traversed.

18. I hereby certify that the foregoing is true and correct

SIGNED John Alexander
JOHN ALEXANDER

TITLE Vice-President

DATE October 11, 1985

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

LARRY G SESSIONS
 CHUSKA ENERGY COMPANY
 3315 BLOOMFIELD HWY
 FARMINGTON NM 87401

UTAH ACCOUNT NUMBER: N9290REPORT PERIOD (MONTH/YEAR): 12 / 93AMENDED REPORT ☐ (Highlight Changes)

| Well Name | | | Producing Zone | Well Status | Days Oper | Production Volumes | | |
|----------------------|--------|------------|----------------|-------------|-----------|--------------------|----------|------------|
| API Number | Entity | Location | | | | OIL(BBL) | GAS(MCF) | WATER(BBL) |
| 116-1 NAVAJO TRIBAL | | | | | | | | |
| ✓4303715390 | 00545 | 41S 25E 31 | DSCR | | | | | |
| NAVAJO TRIBAL 23-13 | | | | | | | | |
| ✓4303730971 | 09420 | 40S 24E 13 | DSCR | | | | | |
| NAVAJO TRIBAL 42-2 | | | | | | | | |
| ✓4303731017 | 09425 | 42S 24E 2 | DSCR | | | | | |
| NAVAJO TRIBAL 24-13 | | | | | | | | |
| ✓4303730970 | 09435 | 40S 24E 13 | DSCR | | | | | |
| NAVAJO TRIBAL 41-2 | | | | | | | | |
| ✓4303731041 | 09437 | 42S 24E 2 | DSCR | | | | | |
| NAVAJO TRIBAL #32-26 | | | | | | | | |
| ✓4303731060 | 09990 | 40S 22E 26 | DSCR | | | | | |
| NAVAJO TRIBAL 14-10 | | | | | | | | |
| ✓4303730977 | 10130 | 40S 24E 10 | DSCR | | | | | |
| SAHGZIE NO. 1 | | | | | | | | |
| ✓4303731472 | 11032 | 42S 24E 5 | DSCR | | | | | |
| ANASAZI #1 | | | | | | | | |
| ✓4303731478 | 11042 | 42S 24E 5 | DSCR | | | | | |
| CAJON MESA 8-D-1 | | | | | | | | |
| ✓4303731497 | 11074 | 40S 25E 8 | DSCR | | | | | |
| MONUMENT #8-N-2 | | | | | | | | |
| ✓4303731509 | 11087 | 40S 25E 8 | DSCR | | | | | |
| TOWER #1 1-2 | | | | | | | | |
| ✓4303731507 | 11088 | 40S 25E 1 | ISMY | | | | | |
| RUNWAY TOG #1 | | | | | | | | |
| ✓4303731515 | 11105 | 40S 25E 10 | DSCR | | | | | |
| TOTALS | | | | | | | | |

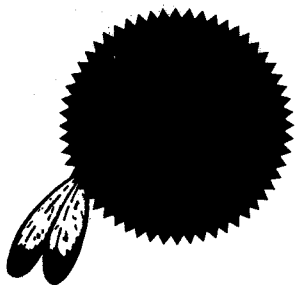
COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



HARKEN SOUTHWEST CORPORATION

(formerly Chuska Energy Company)

We are pleased to announce that effective January 18, 1994, Chuska Energy Company, has changed its name to Harken Southwest Corporation. This is in line with the February 1993 merger with Harken Exploration Company.

Harken Southwest Corporation is still located at 3315 Bloomfield Highway, Farmington, New Mexico, 87401. You may still contact us at (505) 326-5525.

Please reflect this name change as necessary on all future correspondence.

Thank you for your assistance in this matter and we look forward to working with you as Harken Southwest Corporation.

Sincerely,

Barry A. Wieland
Operations Manager

RECEIVED

FEB 07 1994

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____

☐ **Suspense**
(Return Date) _____
(To - Initials) _____

☒ **Other**
Oper. Nm. Change

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

1. Date of Phone Call: 2-9-94 Time: 12:29

2. DOGM Employee (name) J. Cordova (Initiated Call ☒)
Talked to:

Name Wayne Townsend (Initiated Call ☐) - Phone No. (505) 599-8900
(or Ken Townsend)
of (Company/Organization) Btm / Farmington N.M.

3. Topic of Conversation: Chuska Energy Co. to Harken Southwest Corp.

4. Highlights of Conversation: _____

They have not rec'd doc. of name change. When they do receive doc. they
will most likely keep "Chuska" as operator yet mail any correspondence
% Harken, until BIA approval. (BIA approval may take a while!)

* 940210 Per Admin. OK to change.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

| | |
|-------|--------|
| 1-DEC | 7-SJ |
| 2-DTS | 8-FILE |
| 3-VLC | |
| 4-RJE | |
| 5-IEO | |
| 6-PL | |

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-18-94)

| | |
|---|---|
| TO (new operator) <u>HARKEN SOUTHWEST CORPORATION</u> | FROM (former operator) <u>CHUSKA ENERGY COMPANY</u> |
| (address) <u>3315 BLOOMFIELD HWY</u> | (address) <u>3315 BLOOMFIELD HWY</u> |
| <u>FARMINGTON NM 87401</u> | <u>FARMINGTON NM 87401</u> |
| phone (<u>505</u>) <u>326-5525</u> | phone (<u>505</u>) <u>326-5525</u> |
| account no. <u>N 9290</u> | account no. <u>N9290</u> |

Well(s) (attach additional page if needed):

| | | | | | | |
|-------------------------------|-----------------------|---------------|------------|------------|------------|-------------------|
| Name: <u>**SEE ATTACHED**</u> | API: <u>037-31017</u> | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec. _____ | Twp. _____ | Rng. _____ | Lease Type: _____ |

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-7-94)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #096704.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-10-94)*
- See 6. Cardex file has been updated for each well listed above. *(2-10-94)*
- See 7. Well file labels have been updated for each well listed above. *(2-10-94)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 7 94 1994.

FILING

- See 1. Copies of all attachments to this form have been filed in each well file.
- See 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

HARKEN SOUTHWEST CORPORATION

3. Address and Telephone No.

P. O. BOX 612007, DALLAS, TX 75261-2007 214/753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2140' FNL & 590' FEL
SEC 2-42S-24E

5. Lease Designation and Serial No.

NOG 8308-1033

6. If Indian, Allottee or Tribe Name

NAVAJO

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NAVAJO TRIBAL 42-2

9. API Well No.

43-037-31017

10. Field and Pool, or Exploratory Area

ANETH

11. County or Parish, State

SAN JUAN CO., UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

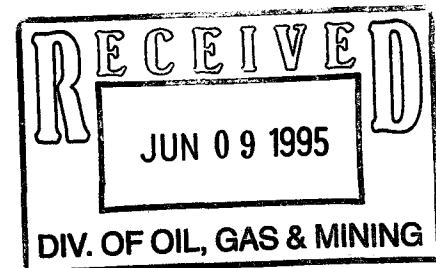
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Harken Southwest anticipated permanent abandonment of the subject wellbore will be completed by the end of November, 1995.

CC: State of Utah
Navajo Nation - Minerals Dept
BIA - Gallup, NM



14. I hereby certify that the foregoing is true and correct

Signed

Title PRODUCTION ADMINISTRATOR

Date 6/08/95

(This space for Federal or State office use)

Approved by

Title

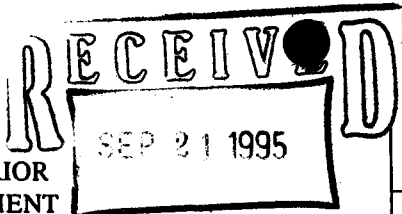
Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007, Dallas, Texas 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2140' FNL & 590' FEL
Sec 2-42S-24E

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo Tribal 42-2

9. API Well No.

43-037-31017

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan Co., UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pursuant to the sundry notice dated June 8, 1995, attached please find the following information on the subject wellbore:

Current Well Information
Schematic of Current Wellbore Configuration
Abandonment Procedures
Schematic of Proposed P&A Configuration

Harken will permanently abandon the wellbore during the 1995 P&A program, scheduled to be completed prior to December 31, 1995. Location reclamation and reseeding will take place during 1996.

Should any questions arise, please contact Mr. Richard Cottle at our Farmington Office (505) 327-5531 or the undersigned at the address/telephone number above.

CC: Navajo Nation - Minerals Dept
Bureau of Indian Affairs - Gallup, NM
State of Utah

**Accepted by the
Utah Division of
Oil, Gas and Mining**

14. I hereby certify that the foregoing is true and correct

Signed

Title Production Administrator

Date 09/16/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

PLUG and ABANDONMENT
Navajo Tribal No. 42-2
2140' FNL, 590' FEL, Sec 2-T42S-R24E
San Juan County, Utah
September 14, 1995

Present Status: Shut-In Oil Well, fill over perfs.

Elevation: 4693' GL **Reference Elevation:** 4705' KB

Total Depth: 5550' MD **PBTD:** 5542' KB

Casing Program:

8 5/8", 24#, Surface csg @ 495' to surface w/275 sacks
5 1/2", 15.5#, Production csg @ 5554' w/350 sacks, Class "H"

Production Equipment: 60 joints of 2 7/8" tubing hanging in tbg head (1890'), 4 3/4" bit on tbg.

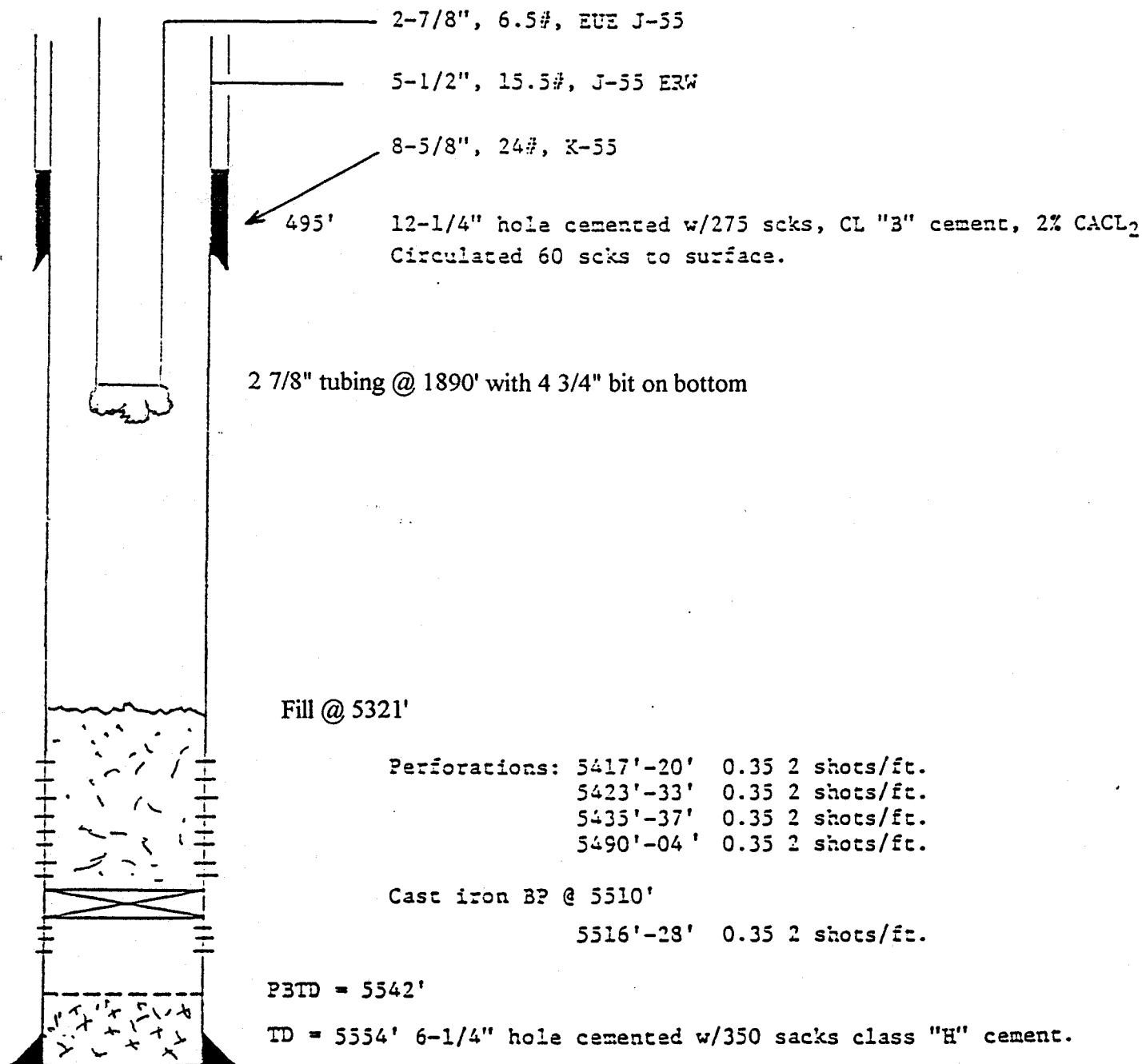
Casing and Tubing Detail

| Depth | Size (in) | Wt. #/ft | Grade Thread | Burst (psi) | Collapse (psi) | Yield M# | Drift (in) | Capacity (bbls/ft) |
|------------|-----------|----------|--------------|-------------|----------------|----------|------------|--------------------|
| Surf 5554' | 5 1/2 | 15.5 | K-55 STC | 4810 | 4040 | 222 | 4.825 | 0.0238 |
| Surf 1890, | 2 7/8" | 6.5 | J-55 EUE | 7260 | 7680 | 99.7 | 2.347 | 0.00579 |

HARKEN SOUTHWEST CORPORATION

NAVAJO TRIBAL NO. 42-2

Present Wellbore Configuration



Navajo Tribal # 42-2 Plug and Abandonment

2140' FNL & 590' FEL - Sec 2-T42S-R24E

San Juan County, Utah

NOG-8308-1033

9/14/95 ROC

P & A Procedures

1. MIRU, Blow Down, hold safety meeting, ND wellhead, NU BOPs.
2. POH with 60 joints of 2 7/8" tubing and 4 3/4" bit. Pick up hydrostatic bailer on tbg and RIH to tag fill at 5321'.
3. Bail out hole to CIBP @ 5510'. POH with bailer. PU cement retainer and RIH on tbg to 5400'.
4. Set retainer at 5400', mix up and circulate Plug #1, 25 sacks (4.2 bbl) of Class "B" cement to the end of the tubing, sting into cmt retainer, pump cement thru retainer to squeeze perforations @ 5490'-5504', 5435'-5437', 5423'-5433' and 5417'-5420'.
5. Pull off retainer and circulate 70 Bbls of 9.0 lb/gal mud from 5400' to 2475'. POH w tbg and setting tool.
6. RU perforators, RIH and perforate the DeChelly at 2450' with 4 JSPF. POH w wireline.
7. PU second cement retainer and RIH on tbg to 2430'. Set cmt retainer @ 2430'.
8. Mix up and circulate Plug #2, 25 sacks (4.2 bbl) of Class "B" cement to the end of the tubing, sting into cmt retainer, pump cement thru retainer to squeeze DeChelly perforations @ 2450'.
9. Pull off retainer and circulate 51 Bbls of 9.0 lb/gal mud from 2430' to 300'. POH w setting tool.
10. RIH w open-ended tbg to 300'. Mix up and circulate, Plug #3, 50 sacks (10 bbl) of Class "B" cement to surface while pulling out of the hole.
11. ND BOPs, cut off wellhead flange and csg 4' below ground level and install P&A surface marker.
12. Restore location.

TOTAL CEMENT:

| | | |
|---------|----------|---------------|
| Plug #1 | 25 sacks | (50% excess) |
| Plug #2 | 25 sacks | (100% excess) |
| Plug #3 | 50 sacks | to surface |

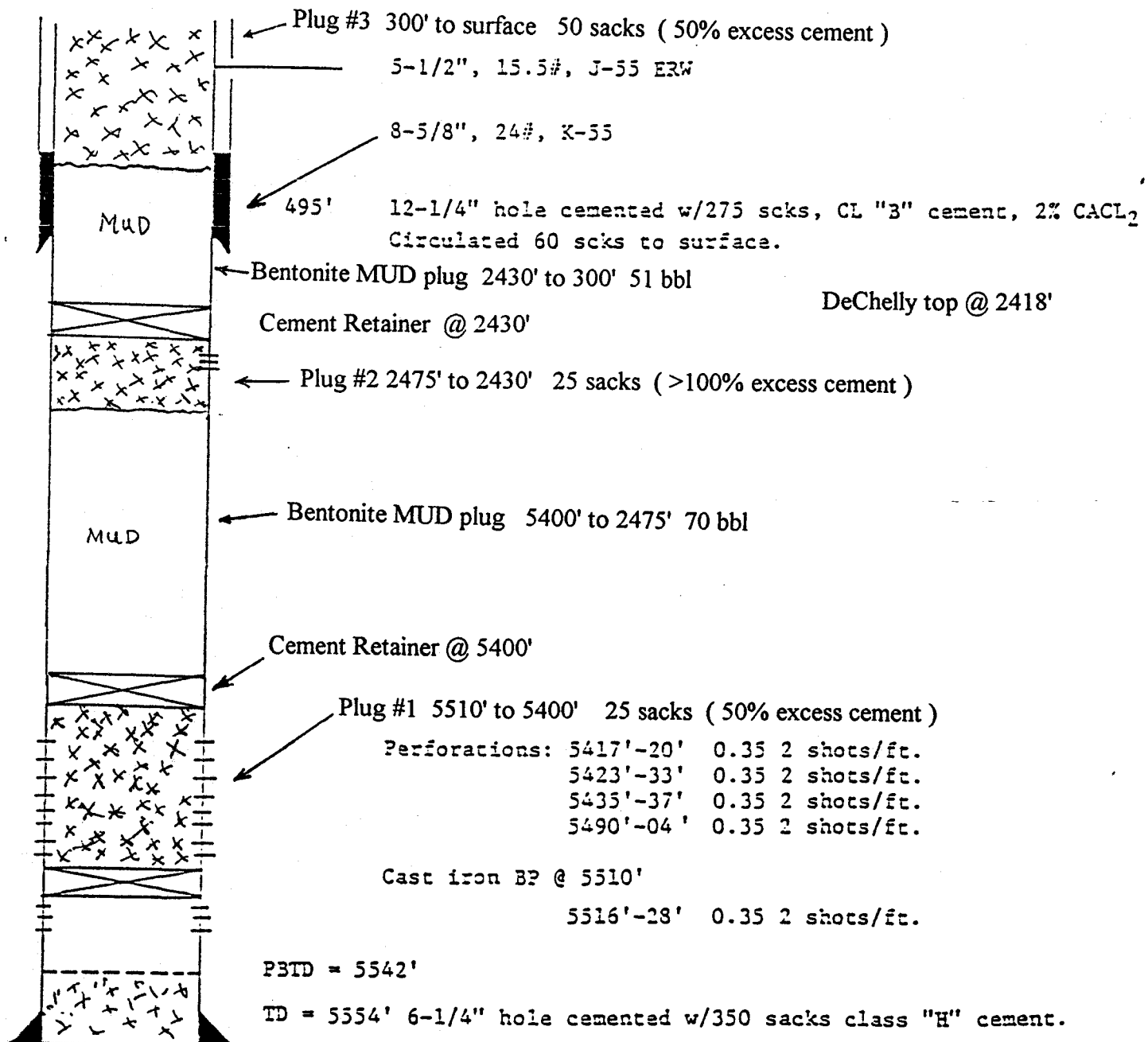
TOTAL 100 sacks

HARKEN SOUTHWEST CORPORATION

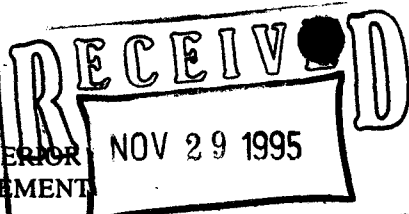
HARKEN SOUTHWEST CORPORATION

NAVAJO TRIBAL NO. 42-2

P&A Wellbore Configuration



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NOG 8308-1033

SUNDRY NOTICES AND REPORTS ON WELL OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or ~~reentry to a different reservoir.~~
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Harken Southwest Corporation

3. Address and Telephone No.

P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 2-42S-24E
2140' FNL & 590' FEL

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Navajo Tribal 42-2

9. API Well No.

43-037-31017

10. Field and Pool, or Exploratory Area

Aneth

11. County or Parish, State

San Juan Co., Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was plugged and abandoned on November 16 & 17, 1995 as follows:

NOTE: BLM representative Ron Snow on location any deviation from original approved procedure was either approved or required by BLM rep.

Plug #1 - 5217-5083' KB - 15 sxs - top of cmt retainer @ 5217', (unable to est rate thru retainer). **Plug #2** - 4425-4266' KB - 18 sxs - cover Hermosa top @ 4355' (balanced plug). Perforate DeChelly @ 2450' KB w/4 JSPF - all shots fired. Set retainer @ 2411.95' KB, mixed 18 sxs, stung into retainer. Pumped 1/8 bbl, press up to 1000 psig. BLM rep Ron Snow shut down pumping - DeChelly to tight. Unstung & placed 18 sxs cmt on to retainer. **Plug #3** - 2412-2252' KB - 18 sxs. Perforate Chinle @ 1379' KB w/4 JSPF - all shots fired. Set retainer @ 1331' KB. Squeezed Chinle @ 1379' KB w/35 sxs, Unstung & placed 11 sxs on top of retainer. **Plug #4** 1379-1233' KB - 400' outside csg & 146' in csg. Max press 300 psig. Perforate 545' KB w/4 JSPF to circ behind 5-1/2" csg and between 5-1/2" & 8-5/8" csg. Circ cmt dwn csg and thru perfs up backside to surface. Good cmt to surface w/240 sxs cmt CI "B". Shut-in bradenhead valve, squeezed additional 15 sxs w/max press 750 psig. Cut off 4' below surface and weld on regulation subsurface marker.

NAVAJO TRIBAL #42-2 PERMANENTLY ABANDONED ON 11/17/95.

CC: State of Utah

Navajo Nation & BIA-Gallup, NM

14. I hereby certify that the foregoing is true and correct

Signed

Title

Production Administrator

Date

11/28/95

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

| | |
|--|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | 5. Lease Designation and Serial No. NOG 8308-1033 |
| 2. Name of Operator Harken Southwest Corporation | 6. If Indian, Allottee or Tribe Name Navajo |
| 3. Address and Telephone No. P.O. Box 612007 Dallas, Texas 75261-2007 (214) 753-6900 | 7. If Unit or CA, Agreement Designation N/A |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Section 2 - 42S - 24E 2140' FNL & 590' FEL | 8. Well Name and No. Navajo Tribal 42-2 |
| | 9. API Well No. 43-037-31017 |
| | 10. Field and Pool, or Exploratory Area Aneth |
| | 11. County or Parish, State San Juan Co., Utah |

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Surface Restoration |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was plugged and abandoned on November 17, 1995. Following well plugging, surface rehabilitation operations and location reseeding operations were concluded on December 8, 1995. Verbal reseeding notification was given to Don Ellsworth, BLM, on December 1, 1995. Required surface restoration stipulations are complete. Utah Power & Light Co. Rep. Mike Hayes, was notified on November 29, 1995 to remove two power poles on the edge of the location that are UP&L property.

CC: State of Utah
Navajo Nation
BIA- Gallup

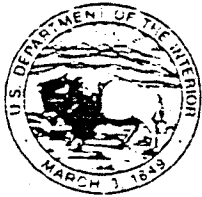
Attachments: 3

14. I hereby certify that the foregoing is true and correct

Signed Ruth L. O. [Signature] Title Operations Manager Date February 1, 1996

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

cc: R. Cottle

IN REPLY REFER TO:
3162.3-4 (07600)
NOG-8707-1146 NOG-8707-1240 NOG-8708-1033
NOG-8707-1216 NOG-8707-1169 (WC)

001 1 0 1995

Harken Southwest Corp.
Attn: R. Montgomery
P.O. Box 612007
Dallas, TX 75261

Dear Ms. Montgomery:

The following surface rehabilitation stipulations must be complied with as applicable, before wells in San Juan County, nos.

| Well No. & Name | Lease No. | Footages | S | T | R | |
|-----------------------|---------------|---------------------|----|-----|-----|----|
| 1. 1 Beclabito 3 | NOG-8707-1146 | 1695' FNL/1980 FEL | 13 | 30N | 21W | NM |
| 2. 4M Lizard | NOG-8707-1240 | 1100' FSL/ 160' FWL | 4 | 41S | 23E | UT |
| 3. 2 Navajo Tribal 42 | NOG-8308-1033 | 2140' FNL/ 590' FEL | 2 | 42S | 24E | UT |
| 4. 33-0 Clay Hill | NOG-8707-1216 | 370' FSL/1750' FEL | 33 | 41S | 25E | UT |
| 5. 2 Tower 1 I | NOG-8707-1169 | 1940' FSL/ 689' FEL | 1 | 40S | 25E | UT |

can be approved for final abandonment (see 43 CFR 3162.3-4).

1. A permanent monument must be cemented in the wellbore. It must be labeled with the operators name, well name and number, legal location and lease number (see CFR 3162.6).
2. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
3. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils may be remediated on-site according to these guidelines or disposed of in an approved disposal facility.
4. Pads must be leveled, dressed up by a maintainer, ripped and disked. The edge of the pads will be shaped to conform to the natural terrain.
5. Access roads must be leveled, waterbarred, ripped, disked and blocked off with earthen berms at the junction with the main road and at the entrance to the well pad. Waterbars should be spaced as shown below:

| <i>% Slopes</i> | <i>Spacing Interval</i> |
|------------------|-------------------------|
| Less than 2% | 200' |
| 2 to 5% | 150' |
| 6 to 9 % | 100' |
| 10 to 15% | 50' |
| Greater than 15% | 30" |

All water bars should divert water to the downhill side of the road.

6. All disturbed areas will be seeded between July 1 and September 15 with the prescribed seed mix (reseeding may be required).

7. Notify Surfacing Managing Agency (SMA) seven (7) days prior to seeding so they may be present for that option.


Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us.

On private land, we should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

If the surface restoration has not yet been completed, notify us by Sundry Notice upon completion. We will schedule an inspection to check the well site after we receive notice from you that the vegetation has become established.

If you have any questions, please contact the Environmental Compliance Staff at (505) 599-8900.

Sincerely,



Don W. Ellsworth
Senior Technical Specialist
Environmental Compliance

All work is complete

R. and A. Jones 12-8-95

SOUTHWEST SEED INC
13260 C.R. 29
DOLORES, CO 81323
(303) 565-8722

SEED FOR ALL NEEDS
SEED CONSULTING SERVICE

PLS SEED MIXTURE ANALYSIS

| ITEM | SPECIES / VARIETY | LOT # | ORIG | WEED | CROP | WEED | %N | NOX | GERM | PLS % | DATE | PLS lbs | BULK # | % OF MIX | |
|------|--------------------------------|----------|------|-------|------|------|------|-----|------|-------|-------|----------|--------|----------|--------|
| 1 | GRASS W: ALKALI SACATON SOLADO | RC 04005 | CO | 97.13 | 2.68 | 0.00 | 0.19 | NF | NF | 87.00 | 84.50 | 09/06/95 | 2.00 | 2.37 | 14.2% |
| 2 | GRASS W: DROPSEED SAND VNS | 04693 | KS | 94.51 | 4.31 | 0.39 | 0.79 | NF | NF | 93.00 | 87.89 | 06/15/95 | 2.00 | 2.28 | 14.2% |
| 3 | SHRUB: SHADSCALE VNS | 04586 | UT | 98.30 | 1.67 | 0.02 | 0.01 | NF | NF | 54.00 | 53.08 | 03/15/95 | 4.00 | 7.54 | 28.5% |
| 4 | SHRUB: FOUR WING SALT BUSH NM | 04335 | NM | 95.80 | 4.16 | 0.04 | 0.00 | NF | NF | 63.00 | 60.35 | 04/14/95 | 6.00 | 9.94 | 42.8% |
| | | | | | | | | | | | | | 14 | 22.12 | 100.0% |

M05021

NAVAJO TRIBAL 42-2 MIXTURE

BWR

SAND DROPSEED AND ALKALI SACATON PACKAGED SEPERATELY INSIDE BAG

THE DATE IS 12/05/95
THE TIME IS 16:18:13